

PATENT ABSTRACTS OF JAPAN

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(11)Publication number : 06-320167

(43)Date of publication of application : 22.11.1994

(51)Int.Cl.

C02F 1/50
A47K 3/00
B01D 35/027
F24H 9/00

(21)Application number : 05-110169

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(22)Date of filing : 12.05.1993

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(54) CIRCULATING AND CLEANING APPARATUS FOR BATH WATER

(57)Abstract:

PURPOSE: To miniaturize an apparatus and to prevent the deterioration of sterilizing power caused by the deposition of stains in a system in which bath water is cleaner by being circulated through a purifying vessel and a sterilizing device by adopting the electrolysis of silver in the sterilizing device.

CONSTITUTION: The title apparatus, which is connected to a bathtub 7, is equipped with a body case 1 having a built-in circulating circuit 22 which is connected to a purifying vessel 2, circulating device 3, a sterilizing device 4, a flow rate sensor 5, and a heater 6 in sequencer through a circulating pipe 21. Circulating bath water is filtered in the purifying vessel 2 to remove dirt, etc., for cleaning and returns to the bathtub 7 after being sterilized in the sterilizing device 4. The sterilizing device 4 is composed, for example, by inserting a silver electrode into a float tank to sterilize bacteria in the bath water. Silver is applied to a plus electrode, and silver or platinum is used as a minus electrode. By applying a direct current to the electrodes, the silver of the plus electrode is dissolved into the bath water as a silver ion by electrolysis to sterilize bacteria.

